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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOV 20 2003

In re U.S. Patent Application No.: **10/089,025**

Applicant: **HOOLEY et al**

TC 2600

For: **METHOD AND APPARATUS TO DIRECT SOUND**

Filed: **June 21, 2002**

GAU/Examiner; **2837**

Atty Docket No **ONE1.002 (was 017-002)**

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Commissioner for Patents

P.O. Box 1450

Alexandria, VA 222313-1450

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Technology Center 2600

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (A)

Sir:

In accordance with 37 CFR § 1.56, applicants submit herewith the identification of patents, publications or other information of which they are aware, which they believe may be material to patentability and in respect of which there may be a duty to disclose.

Applicants respectfully requests that the information enclosed herein be considered by the examiner in the above captioned application and be made of record therein.

Applicant believes that the information enclosed herewith is submitted in accordance with **37 CFR § 1.97(b)**. Accordingly, no fee is required for consideration of the information disclosure statement. However, any fee deficiency may be charged to deposit account **05-0845**.

A list of the patent(s) and/or publication(s) is set forth on the attached Form PTO-1449. A copy of each reference cited is enclosed herewith. The sixteen references listed thereon were cited in a Search Report issued by the British Patent Office Search and Advisory Service.

Inclusion of a reference in this Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such, nor that any cited reference discloses anything other than what is shown and stated therein.

The filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists.

The filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b).

This statement is made by the attorney who signs below on the basis of the information supplied by the inventors' British patent counsel and the information in the attorney's file.

ACCOMPANYING THIS STATEMENT ARE:

- * Form PTO-1449 comprising 1 page(s);
- * a copy of each reference cited on Form PTO-1449 (11 U.S. patents, 16 foreign patents)
- * a postage-paid return postal card.

Respectfully submitted,

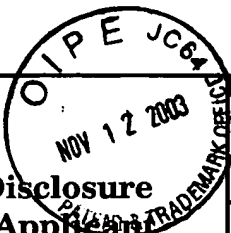
Date: November 6, 2003



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**Information Disclosure
Statement by Applicant**

(Use as many sheets as necessary)



Application Number	10/089,025
Filing Date	June 21, 2002
First Named Inventor	Hooley
Art Unit	2837
Examiner Name	NAPPI, R.
Sheet 1 of 2	Attorney Docket No. ONE1.002 (was O17-002)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	CITE NO.	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE (if appropriate)
	A	4	3	0	5	2	9	6	12/1981	Green et al	73	626	
	B	4	3	8	8	4	9	3	06/1983	Maisel	179	1 GD	
	C	4	4	7	2	8	3	4	09/1984	Yamamuro et al	381	61	
	D	4	6	5	3	5	0	5	03/1987	Iinuma	128	660	
	E	4	9	7	2	3	8	1	11/1990	Mitchell et al	367	13	
	F	4	9	8	0	8	7	1	12/1990	Sieber et al	367	127	
	G	5	4	3	8	6	2	4	08/1995	Lewiner et al	381	71	
	H	5	5	1	7	2	0	0	05/1996	McAdam et al	342	360	
	I	5	7	6	3	7	8	5	06/1998	Chiang	73	609	
	J	5	8	4	1	3	9	4	11/1998	Sterns et al	342	174	
	K	5	8	6	7	1	2	3	02/1999	Geyh et al	3432	372	
	L												
	M												
	N												
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	P												
	Q												
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Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use as many sheets as necessary)

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PATENT & TRADEMARK OFFICE

Complete if Known

Application Number	10/089,025
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Art Unit	2837
Examiner Name	NAPPI, R.
Attorney Docket	ONE1.002

Sheet 2 of 2

NOV 19 2003

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FOREIGN PATENT DOCUMENTS								
Examiner's Initials	Cite No.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation	
							YES	NO
	A	0 492 015	07/1992	EPO	G05D	1/02	X	
	B	0 642 032	03/1995	EPO	G01S	3/803	X	
	C	1 571 714	07/1980	GB	H04R	5/00	X	
	D	2 243 040	10/1991	GB	G01S	13/86	X	
	E	2 259 364	03/1993	GB	G01S	5/18	X	
	F	2 259 426	03/1993	GB	H04R	1/40	X	
	G	2 273 848	06/1994	GB	H04R	1/40	X	
	H	2 290 380	12/1995	GB	G01S	5/20	X	
	I	2 277 152	10/1994	GB	G01S	15/42	X	
	J	2 326 559	12/1998	GB	G10K	11/178	X	
	K	2 332 052	06/1999	GB	G01S	5/00	X	
	L	2 340 351	2/2000	GB	H04B	1/66	X	
	M	2 345 967	07/2000	GB	G01S	5/20	X	
	N	96/14723	05/1996	WO	H04R	1/40	X	
	O	97/32449	09/1997	WO	H04R	1/40	X	
	P	99/00780	01/1999	WO	G08C	21/00	X	
	Q							
	R							

Examiner Signature		Date Considered	
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